

In the claims:

Amend the following claims:

1. An optical waveguide, comprising a core, said core being doped with laser-active ions selected from the group consisting of neodym, thulium, holmium, ytterbium, and praseodym, said core being additionally doped with [Cer] Ce for reducing radiation sensitivity.

2. An optical waveguide as defined in claim 1, wherein said doping with [Cer] Ce constitutes 5-200% of a concentration of the laser-active ions in mol %.

4. An optical amplifier, comprising a component which is an optical waveguide, said optical waveguide including a core, said core being doped with laser-active ions selected from the group consisting of neodym, thulium, holmium, ytterbium, and praseodym, said core being additionally doped with [Cer] Ce for reducing radiation sensitivity.

5. An optical power amplifier, comprising a component which is an optical waveguide, including a core, said core being doped with laser-

active ions selected from the group consisting of neodym, thulium, holmium, ytterbium and praseodym, said core being additionally doped with [Cer] Ce for reducing radiation sensitivity.

6. A laser, comprising an optical waveguide including a core, said core being doped with laser-active ions, said core being additionally doped with [Cer] Ce for reducing radiation sensitivity.

7. An optical device which is used under radiation loading, comprising an optical waveguide including a core, said core being doped with laser-active ions selected from the group consisting of neodym, thulium, holmium, ytterbium and praseodym, said core being additionally doped with [Cer] Ce for reducing radiation sensitivity.

Amended claims:

1. An optical waveguide, comprising a core, said core being doped with laser-active ions selected from the group consisting of neodym, thulium, holmium, ytterbium, and praseodym, said core being additionally doped with Ce for reducing radiation sensitivity.

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2. An optical waveguide as defined in claim 1, wherein said doping with Ce constitutes 5-200% of a concentration of the laser-active ions in mol %.

4. An optical amplifier, comprising a component which is an optical waveguide, said optical waveguide including a core, said core being doped with laser-active ions selected from the group consisting of neodym, thulium, holmium, ytterbium, and praseodym, said core being additionally doped with Ce for reducing radiation sensitivity.

5. An optical power amplifier, comprising a component which is an optical waveguide, including a core, said core being doped with laser-active ions selected from the group consisting of neodym, thulium, holmium,

ytterbium and praseodym, said core being additionally doped with Ce for reducing radiation sensitivity.

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A.1
Cont'd*

6. A laser, comprising an optical waveguide including a core, said core being doped with laser-active ions selected from the group consisting of neodym, thulium, holmium, ytterbium and praseodym, said core being additionally doped with Ce for reducing radiation sensitivity.

7. An optical device which is used under radiation loading, comprising an optical waveguide including a core selected from the group consisting of neodym, thulium, holmium, ytterbium and praseodym, said core being doped with laser-active ions, said core being additionally doped with Ce for reducing radiation sensitivity.